



PTO/SB/21 (08-03)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/642,333
		Filing Date	August 18, 2003
		First Named Inventor	Warren L. Johnson
		Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	128	Attorney Docket Number	1378-163

### ENCLOSURES (Check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | PTO/SB/08A and References Cited Return Postcard   |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Clifford W. Vermette Vermette & Co.
Signature	
Date	November 17, 2003

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Dkt. No. 1378-163

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/642,333

Title: AN APPARATUS FOR SEPARATING CONTAMINANTS FROM  
NON-CONDENSABLE GASES AT THE END OF A  
PYROLYSIS/THERMOLYSIS OF BIOMASS PROCESS

Filed: August 18, 2003

Inventors: Warren L. Johnson, Gholam H. Yavari &amp; Desmond Radlein

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In compliance with the Applicant's duty of disclosure set forth in 37 C.F.R. §1.56 and pursuant to the provisions of 37 C.F.R. §1.97, et seq., Applicant brings to the attention of the Examiner the information contained in the following for consideration during the examination of the above-referenced patent application:

**U.S. Patent Documents**

<u>Country</u>	<u>Patent No./ Publication No.</u>	<u>Issued/Published</u>	<u>Inventor(s)</u>
United States	4,668,254	May 26, 1987	Wamsley, Jr.
United States	5,108,472	April 28, 1992	Murray, Sr.
United States	4,583,998	April 22, 1986	Reid, et al.
United States	4,941,897	July 17, 1990	Vann, III
United States	5,154,742	October 13, 1992	Gault et al.
United States	6,368,389	April 9, 2002	Birke, et al.
United States	5,728,271	March 17, 1998	Piskorz, et al.
United States	4,072,478	February 7, 1978	Regehr, et al.
United States	6,261,342	July 17, 2001	Rousseau, et al.
United States	20030000386	January 2, 2003	West
United States	4,190,426	February 26, 1980	Ruschke

It is respectfully submitted that the Applicant's invention defines patentable subject matter over the teachings of the above references, alone or in any combination thereof.

Accordingly, favorable action on this application is respectfully requested. A completed form PTO/SB/08A, delineating the above references, is enclosed, as well as a copy of each of the references.

This Disclosure Statement, filed in accordance with 37 C.F.R. §1.97, should not be construed as a representation that a search has been made, or that no other material information, as defined in 37 C.F.R. §1.56(a), exists.

Respectfully submitted,

Date: 14 - NOV - 03

by: g.h.yavari

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Co-Inventor

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Encis. - as listed above



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Institute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of 1

**Complete if Known**

Application Number	10/642,333
Filing Date	August 18, 2003
First Named Inventor	Warren L. Johnson
Art Unit	
Examiner Name	

Attorney Docket Number 1378-163

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
1	US-	4,668,254	05-26-1987	Wamsley, Jr.	
2	US-	5,108,472	04-28-1992	Murray, Sr.	
3	US-	4,583,998	04-22-1986	Reid, et al.	
4	US-	4,941,897	07-17-1990	Vann, III	
5	US-	5,154,742	10-13-1992	Gault et al.	
6	US-	6,368,389	04-09-2002	Birke et al.	
7	US-	5,728,271	03-17-1998	Piskorz, et al.	
8	US-	4,072,478	02-07-1978	Regehr, et al.	
9	US-	6,261,342	07-17-2001	Rousseau, et al.	
10	US-	20030000386	01-02-2003	West	
11	US-	4,190,426	02-26-1980	Ruschke	
	US-				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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